

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



INTERNATIONAL BUREAU OF PATENT COOPERATION
3, rue de la Harpe, CH-1015, Yvertois, Suisse
Tél. (41) 26 30 69 11, Fax (41) 26 30 69 00
E-mail: info@wipo.int, internet@wipo.int

(43) International Publication Date
31 March 2005 (31.03.2005)

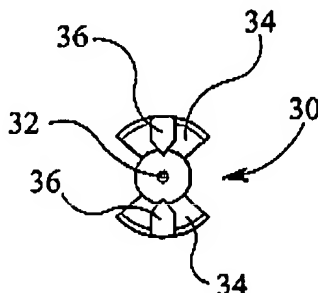
PCT

(10) International Publication Number
WO 2005/029920 A1

- (51) International Patent Classification⁷: **H05B 3/56**
- (21) International Application Number:
PCT/GB2004/003857
- (22) International Filing Date:
10 September 2004 (10.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0321916.9 19 September 2003 (19.09.2003) GB
- (71) Applicant (for all designated States except US): **HEAT-SAFE CABLE SYSTEMS LTD [GB/GB]**; Cromwell Road, Bredbury, Stockport SK6 2RF (GB).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **O'CONNOR, Jason, Daniel, Harold [GB/GB]**; 2 Kestral View, Simmondley, Glossop, Derbyshire SK13 6QE (GB).
- (74) Agent: **PARKINSON, Nell, Scott; Marks & Clerk**, Sussex House, 83-85 Mosley Street, Manchester M2 3LG (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW); Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM); European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR); OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SELF-REGULATING ELECTRICAL HEATING CABLE**

(57) Abstract: A series resistance heating cable comprises a heating element extending longitudinally along the cable. The element comprises a material having a positive temperature coefficient.



WO 2005/029920 A1

BEST AVAILABLE COPY